

January 6, 2015

Ms. Shelby Johnston, EIT
Remedial Project Manager
U.S. Environmental Protection Agency
Region 4, Waste Management Division
61 Forsyth Street, SW
Atlanta, GA 30303-8960

Subject: **Request to Postpone Interim Remedial Actions at
Operable Unit Two (OU2)
Former Landia Chemical Company Site
Lakeland, Polk County, Florida
Civil Action No: 8:09-cv-01325-VMC-TBM**

Dear Ms. Johnston:

In accordance with the Consent Decree for the above-referenced site and correspondence with you, this request for postponement of remedial actions is hereby submitted on behalf of the representatives for Agrico Chemical Company, BASF Corporation, and PCS Joint Venture, Ltd.

In an effort to reduce the site nitrate concentrations in groundwater below the natural attenuation default criterion more rapidly than natural processes could, molasses injections were planned in the basal zone as an interim remedial action. Baseline monitoring of the nitrate plume in the water table and basal zones was conducted in October 2014 in accordance with the approved Remedial Action Work Plan. The data from that effort and previous sampling events has now been evaluated, and it appears that natural processes are occurring more rapidly than initially anticipated.

The results of the recent baseline sampling event and the October 2014 semiannual event conducted during the same time period are summarized on Tables 1 and 2. While this request addresses only the nitrate source area, the analytical results for all parameters analyzed are included on the table as you requested. The results include the new wells (RAMW-06 and 06I, RAMW-07 and 07I, and RAMW-08 and 08I) that were installed to monitor nitrates during our injection activities and were installed in locations corresponding to the highest values detected during the remedial design field work. With the exception of RAMW-06I, the concentrations were lower in these wells than expected.

A snapshot of the nitrate plume in the basal zone over time is included as Attachment A. This evidence suggests that over the last year, the nitrate concentrations appear to be degrading at a higher rate than in previous years. Rather than move forward with the approved interim remedial actions at this time, we are requesting approval to postpone that action and conduct additional

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monitoring to determine if we are in-fact experiencing an accelerated natural attenuation process, or if the lower results reflect an episodic condition and not a trend.

We are in the process of preparing the semiannual groundwater monitoring report for 2014, to be submitted early this year, in which we will more fully evaluate the data associated with the other parameters monitored at the site. However, the evaluation we have completed to this point indicates that the pesticide plume concentrations in the surficial zone have declined in the last year, and there does not appear to be movement of the basal zone pesticide plume toward the north.

We look forward to hearing from you on this request. Should you have any questions regarding this request, please do not hesitate to call Jeffry Wagner (Project Coordinator) at 850-402-6409.

Sincerely,



Amy R. Mixon, PE
Project Manager



Jeffry R. Wagner, PG
Project Coordinator

ARM:arm

Attachment: Request for Postponement of Interim Remedial Actions at OU2

cc: Bill O'Steen – U.S. Environmental Protection Agency
Chris Pellegrino – Florida Department of Environmental Protection
John Carey – for Agrico Chemical Company
Doug Reid-Green – BASF Corporation
Michael Brom – PCS Joint Venture, Ltd.

TABLE 2
Groundwater Analytical Results - Basal Zone - Surficial Aquifer - October 2014
Landis Chemical Company Site
Lake Wales, Florida

| Parameter | Units | Cleanup Goals | NADC | DEP-480 | DEP-101 | DEP-448 | DEP-154 | DC-37W | DC-3W | EMW-2 | EMW-3 | EMW-4 | EMW-5 | FF-4W | LC-103W | LC-111W | RAWW-04 | RAWW-03 | RAWW-01 | RAWW-01* | 10/4/2014 | |
|--------------------------------------|-------|---------------|-------|----------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|
| Precursors | | | | | | | | | | | | | | | | | | | | | | |
| alpha-BHC | ug/L | 0.006 | 0.6 | 0.057 | 0.0081 | 0.0293 | 0.016 | 0.065 | 0.28 | <0.0058 U | <0.0244 U | <0.050 U | <0.055 U | <0.050 U | <0.05 U | <0.05 U | 31 | 8 | 89 | 49 | 113 | |
| beta-BHC | ug/L | 0.02 | 2 | 0.051 | 2.01E+01 | 0.011 | 0.016 | 0.013 | 0.013 | <0.012 U | 38 | 0.83 | 1.6 | 0.93 | 5 | |
| delta-BHC | ug/L | 2.1 | 21 | 0.17 | 3.21E+01 | 0.013 | 0.016 | 0.013 | 0.013 | <0.012 U | 22 | 0.85 | 0.59 | 0.913 | 21 | |
| gamma-BHC | ug/L | 0.2 | 20 | 0.13 | 0.017 U | 0.013 | 0.3 | 0.17 | 0.012 U | <0.012 U | <0.012 U | <0.012 U | <0.012 U | <0.012 U | <0.012 U | 15 | 3 | 72 | 32 | 42 | 0.095 | |
| Chlorine | ug/L | 193 | 2 | 44 | 4.31E+01 | 0.013 | 0.013 | 0.013 | 0.013 | <0.012 U | 17 | 0.05 | 0.31 U | 0.31 U | 0.31 U | |
| Dieldrin | ug/L | 0.002 | 0.2 | 0.19 | 0.025 U | 0.021 U | 0.002 U | 0.002 U | <0.002 U | <0.002 U | <0.002 U | <0.002 U | <0.002 U | <0.002 U | <0.002 U | <0.002 U | 0.0021 | 0.0021 | 0.0021 | 0.0021 | 0.0021 | |
| 4,4'-DDT | ug/L | 0.1 | 10 | <0.012 U | <0.012 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | 0.0041 | 0.0041 | 0.0041 | 0.0041 | 0.0041 | |
| 4,4'-DDE | ug/L | 0.1 | 10 | <0.012 U | <0.012 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | <0.013 U | 0.0041 | 0.0041 | 0.0041 | 0.0041 | 0.0041 | |
| Tetrahydrofuran | ug/L | 3 | 300 | 11 | <0.2 U | <0.6 U | <0.2 U | 0.066 U | 0.066 U | 0.066 U | 0.066 U | 0.066 U | |
| General Chemistry | | | | | | | | | | | | | | | | | | | | | | |
| Neutral-N | mg/L | 10 | 100 | 659 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | |
| Ammonium-N | mg/L | 1 | 10 | <2 U | <10 U | <0.5 U | |
| Sulfate** | mg/L | 250 | 2500 | 3600 | 1100 | 24 | 2400 | 960 | 110 | 18 | 72 | 19 | 14 | 7700 | 380 | 670 | 1500 | 1600 | 310 | 20 | 20 | |
| Sulfide** | mg/L | * | * | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | <1 U | 5.4 | 16 | 12 | 9.9 | 5.5 | |
| Methane** | mg/L | * | * | 11 | 11 | 0.0065 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.000791 | 0.0043 | 0.0043 | 0.0043 | 0.0043 | 0.0043 |
| Ammonium-Ion** | mg/L | * | * | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | |
| Alkalinity** | mg/L | * | * | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | |
| Total Organic Carbon** | mg/L | * | * | 33 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | 79 | |
| Chloride | mg/L | * | * | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | |
| pH | uS | * | * | 8.33 | 4.29 | 4.60 | 4.45 | 4.81 | 6.01 | 5.00 | 5.82 | 5.27 | 6.13 | 2.42 | 3.59 | 3.04 | 3.51 | 3.72 | 4.45 | 3.76 | 4.83 | |
| Conductivity | uS/cm | * | * | 24770 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 | 5331 |
| Chloride | mg/L | * | * | 26.0 | 0.35 | 0.48 | 0.39 | 0.16 | 0.32 | 0.27 | 0.38 | 0.32 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | |
| Turbidity | NTU | * | * | 15.3 | 3.77 | 6.00 | 3.49 | 7.14 | 1.91 | 8.42 | 7.21 | 4.44 | 5.10 | 3.5 | 0.32 | 6.2 | 1.5 | 2.8 | 5.3 | 2.8 | 1.4 | |
| Temperature | °C | * | * | 27.26 | 26.44 | 26.39 | 26.25 | 29.23 | 29.17 | 28.99 | 24.69 | 25.80 | 27.60 | 27.53 | 25.60 | 26.18 | 25.91 | 26.35 | 27.18 | 24.63 | 27.65 | 27.65 |
| Media | uS/cm | * | * | 0.01 | 0.011 | 0.02 | 0.013 U | 0.0011 U | 0.0011 U | 0.00052 | 0.00071 U | 0.012 | 0.012 | 0.012 | 0.012 | |
| Cadmium | ug/L | 0.005 | 0.005 | 0.0063 | 0.013 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | 0.00066 | |
| Chromium | ug/L | 0.1 | 1 | 0.00341 | 0.00061 | 0.00052 U | |
| Lead | ug/L | 0.015 | 0.15 | 0.052 | 0.00431 | 0.00061 | 0.00052 U | |
| Ferric Iron** | ug/L | * | * | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | 716 | |
| OGa | ug/L | * | * | 12 | 0.0013 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | 0.0011 U | |
| 1,4-Dihydrobenzene | ug/L | 70 | 700 | 25.0 | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | |
| Benzene** | ug/L | 1 | 100 | 2.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | |
| Chlorobenzene** | ug/L | 100 | 100 | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | |
| Xylenes | ug/L | 30000 | 30000 | 8.5 | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | 0.25 U | |
| SWOCs | ug/L | 70 | 200 | 3.61 | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | |
| 24-Dichlorophenoxy | ug/L | 25 | 350 | 2.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | 0.75 U | |
| 2-Chlorophenol | ug/L | 56 | 560 | 2.3 U | 4.41 | 2.2 U | |
| Notes: | | | | | | | | | | | | | | | | | | | | | | |
| ug/L = microgram per Liter | | | | | | | | | | | | | | | | | | | | | | |
| uS/cm = Standard Units | | | | | | | | | | | | | | | | | | | | | | |
| NTU = Nephelometric Turbidity Units | | | | | | | | | | | | | | | | | | | | | | |
| IC = Dissolved Solids per centimeter | | | | | | | | | | | | | | | | | | | | | | |
| mS/cm = microSiemens per centimeter | | | | | | | | | | | | | | | | | | | | | | |
| mV = millivolt | | | | | | | | | | | | | | | | | | | | | | |
| ORP = Oxidation Reduction Potential | | | | | | | | | | | | | | | | | | | | | | |
| O2 = Dissolved oxygen | | | | | | | | | | | | | | | | | | | | | | |

Reported values less than the predicted quantitation limit (reported as 1 qualifer) are not reported as exceedances of the Regulatory Cleanup Goals.

Regulatory Cleanup Goals for the NADCs pursuant to Table 5 of the Environmental Protection Agency's (EPA's) Record of Decision (RO) dated 02/27/07.

Cleanup Goals for non-RoC COCs pursuant to Chapter 62-777 FAC Table 1.

Natural Attenuation Default Criteria (NADC) pursuant to Chapter 62-777 FAC Table V.

Reported values less than the predicted quantitation limit (reported as 1 qualifer) are not reported as exceedances of the Regulatory Cleanup Goals.

Regulatory Cleanup Goals for the NADCs pursuant to Table 5 of the Environmental Protection Agency's (EPA's) Record of Decision (RO) dated 02/27/07.

Cleanup Goals for non-RoC COCs pursuant to Chapter 62-777 FAC Table 1.

Natural Attenuation Default Criteria (NADC) pursuant to Chapter 62-777 FAC Table V.

TABLE 2
Groundwater Analytical Results - Basal Zone - Surficial Aquifer - October 2014
Landa Chemical Company Site
Lakeland, Florida

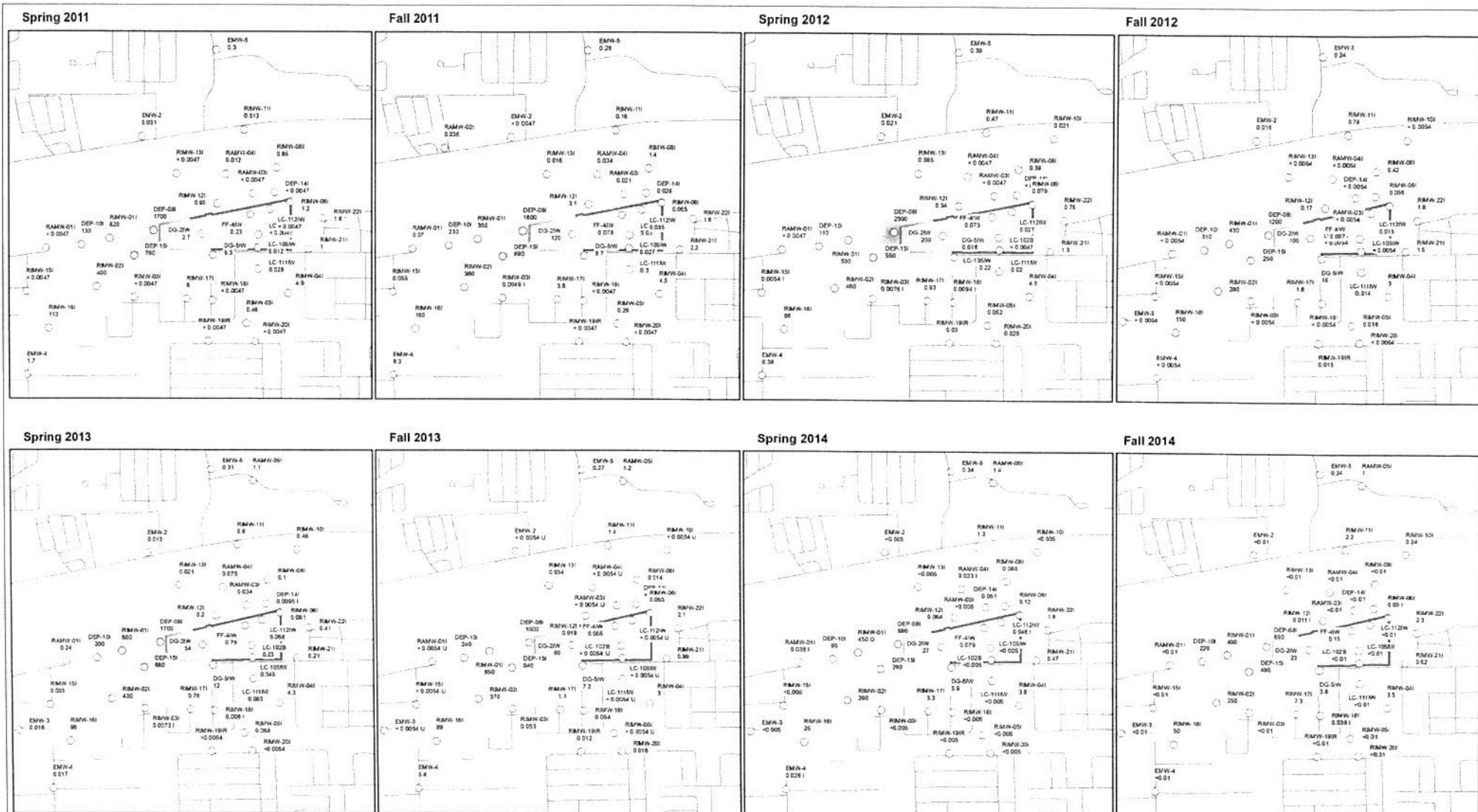
| Precursor | Units | Cleaning | Gels | NADIC | 10/2/2014 | 10/2/2014 | 10/1/2014 | 10/1/2014 | 10/2/2014 | 9/20/2014 | 10/2/2014 | 10/2/2014 | 10/1/2014 | 10/1/2014 | 10/1/2014 | 10/2/2014 | 9/20/2014 | 10/2/2014 | 10/2/2014 | | |
|-------------------------------------|-------|----------|--------------|-------------------|---------------------|-------------------|------------------|-------------------|------------------|---------------------|---------------------|---------------------|-----------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------|
| Precursors | | | | | | | | | | | | | | | | | | | | | |
| alpha-BHC | ug/L | 0.006 | 0.06 | = 0.025(1) | < 0.026(1) | < 0.026(1) | 0.019(1) | < 0.026(1) | 0.023(1) | 0.17 | 0.042(1) | 2 | 0.05(3) | 0.045 | 69 | 0.055 | 0.038(1) | 0.025(1) | 0.025(1) | 0.025(1) | |
| beta-BHC | ug/L | 0.02 | 2 | - 0.23(1) | < 0.023(1) | < 0.023(1) | 0.011 | 2 | 0.014(1) | 0.38 | < 0.05(3) | 0.025(1) | 12 | 0.18 | < 0.01(1) | |
| delta-BHC | ug/L | 2.1 | 21 | - 0.013(1) | < 0.013(1) | < 0.013(1) | 0.028(1) | < 0.013(1) | 0.018(1) | 0.49 | < 0.01(1) | 0.031 | 22 | < 0.01(1) | | |
| gamma-BHC | ug/L | 0.2 | 20 | - 0.013(1) | < 0.013(1) | < 0.013(1) | 0.063 | < 0.013(1) | 0.022(1) | 3.9 | < 0.01(1) | 0.005 | < 0.01(1) | 24 | < 0.01(1) | |
| Chloroane | ug/L | 0.02 | 2 | 200 | < 0.013(1) | < 0.013(1) | 0.002(1) | < 0.013(1) | 0.002(1) | 0.35 | < 0.01(1) | < 0.02(1) | < 0.02(1) | < 6.7 | < 0.01(1) | |
| Dieldrin | ug/L | 0.002 | 0.2 | - 0.023(1) | < 0.023(1) | < 0.023(1) | 0.002(1) | < 0.023(1) | 0.002(1) | 0.35 | < 0.01(1) | < 0.01(1) | < 0.01(1) | < 0.04(1) | U | < 0.01(1) | |
| 44-DDE | ug/L | 0.1 | 10 | - 0.013(1) | < 0.013(1) | < 0.013(1) | 0.002(1) | < 0.013(1) | 0.002(1) | 0.35 | < 0.01(1) | < 0.01(1) | < 0.01(1) | < 0.26(1) | U | < 0.01(1) | |
| Transphene | ug/L | 0.1 | 10 | - 0.013(1) | < 0.013(1) | < 0.013(1) | 0.002(1) | < 0.013(1) | 0.002(1) | 0.35 | < 0.01(1) | < 0.01(1) | < 0.01(1) | < 0.26(1) | U | < 0.01(1) | |
| General Chemistry | | | | | | | | | | | | | | | | | | | | | |
| Nitrate-N | ug/L | 10 | 100 | 2300 | 270 | 260 | 400 | 250 | 35 | < 0.01(1) | 0.24 | 0.011 | 22 | 0.011 | 0.011 | 50 | 73 | 0.038(1) | 0.01(1) | 0.02(1) | |
| Nitrite-N | ug/L | 1 | 10 | < 50(1) | < 10(1) | < 20(1) | < 2(1) | < 10(1) | < 1(1) | < 0.01(1) | 0.01(1) | < 0.01(1) | < 0.01(1) | < 1(1) | < 0.01(1) | |
| Sulfide** | ug/L | 250 | 11000 | 480 | 2100 | 1500 | 80 | 11 | 1400 | 120 | 190 | 22 | 81 | 2800 | 330 | 190 | 310 | 680 | 64 | < 0.25(1) | |
| Methane** | ug/L | * | * | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | - 1(1) | |
| Amonium (as N)* | ug/L | * | * | 0.0009 | 0.019 | 0.01 | 0.014 | 0.01 | 0.045 | 1(1) | 0.37 | 0.36 | < 0.0001(1) | 0.031 | 0.1 | 0.0054 | 1(1) | 1(1) | 0.042 | 1(1) | |
| Total Organic Carbon** | ug/L | * | * | 200 | 310 | 330 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | 340 | | |
| Carbon Dissolved** | ug/L | * | * | 120 | 260 | 27 | 31 | 34 | 5 | 95 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | |
| Field Parameters | | | | | | | | | | | | | | | | | | | | | |
| pH | ntu | * | * | 5.49 | 5.25 | 5.34 | 5.34 | 5.30 | 4.54 | 4.44 | 4.00 | 3.45 | 3.90 | 3.60 | 6.18 | 4.79 | 3.44 | 4.66 | 4.06 | 4.27 | |
| Conductivity | ntu | * | * | 2740 | 4850 | 4850 | 4850 | 4850 | 523 | 523 | 307 | 400 | 321 | 321 | 321 | 321 | 672 | 513 | 1997 | 1666 | 947 |
| DoG | ntu | * | * | 1.25 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | |
| Turbidity | ntu | * | * | 174 | 740 | 152 | 152 | 152 | 152 | 152 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 | 174 |
| Temperature | °C | * | * | 29.61 | 29.22 | 27.80 | 23.21 | 24.05 | 25.30 | 26.45 | 26.17 | 26.53 | 26.50 | 26.50 | 26.61 | 24.39 | 25.63 | 24.11 | 26.29 | 29.47 | 27.60 |
| Metals | | | | | | | | | | | | | | | | | | | | | |
| Arsenic | ug/L | 0.01 | 0.1 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | 0.00711 | |
| Cadmium | ug/L | 0.005 | 0.05 | 0.14 | 0.0703 | 0.13 | 0.12 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | 0.0711 | |
| Lead | ug/L | 0.015 | 0.15 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | |
| Ferrous Ions* | ug/L | * | * | 0.0321 | < 0.25(1) | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | |
| Y3a | ug/L | 70 | 700 | < 0.22(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | - 0.25(1) | |
| 124-Dichlorobenzene | ug/L | 1 | 100 | - 0.2(1) | - 0.25(1) | - 0.25(1) | 0.251 | - 0.25(1) | 160 | 160 | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | |
| Benzene** | ug/L | 100 | 1000 | - 0.2(1) | - 0.25(1) | - 0.25(1) | 0.251 | - 0.25(1) | 15 | 15 | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | 0.25(1) | |
| Chlorobenzene** | ug/L | 25 | 200 | - 0.1(1) | - 0.15(1) | - 0.15(1) | 0.15 | - 0.1(1) | 15 | 15 | 0.1(1) | 0.1(1) | 0.1(1) | 0.1(1) | 0.1(1) | 0.1(1) | 0.1(1) | 0.1(1) | 0.1(1) | 0.1(1) | |
| 2-Chlorophenol | ug/L | 56 | 560 | - 0.1(1) | - 0.2(1) | - 0.2(1) | 0.2(1) | - 0.2(1) | 100 | 100 | 0.2(1) | 0.2(1) | 0.2(1) | 0.2(1) | 0.2(1) | 0.2(1) | 0.2(1) | 0.2(1) | 0.2(1) | 0.2(1) | |
| 4-Ethiophenone | ug/L | * | * | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | 0.0521 | |
| Note: | | | | | | | | | | | | | | | | | | | | | |
| ug/L = micrograms per Liter | | | | | | | | | | | | | | | | | | | | | |
| ug/L = micrograms per Liter | | | | | | | | | | | | | | | | | | | | | |
| NTU = Nephelometric Turbidity Units | | | | | | | | | | | | | | | | | | | | | |
| °C = Degrees Celsius | | | | | | | | | | | | | | | | | | | | | |
| uS/cm = microSiemens per centimeter | | | | | | | | | | | | | | | | | | | | | |
| mV = millivolt | | | | | | | | | | | | | | | | | | | | | |
| RP = Octanol-Reduction Potential | | | | | | | | | | | | | | | | | | | | | |
| D = Dissolved oxygen | | | | | | | | | | | | | | | | | | | | | |

Reported values less than the practical quantitation limit (reported as 1) are reported as exceedances of the Regulatory Cleanup Goals.

Chloride Goals for site COCs pursuant to Table 5 of the Environmental Protection Agency's Resource of Decision (ROD) dated 9/27/07.

Chloride Goals for non-site COCs pursuant to Chapter 62-777 Florida Administrative Code (FAC) Table 1.

Natural Attenuation Default Criteria (NADC) pursuant to Chapter 62-777 FAC Table V.

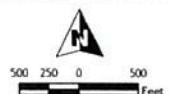


Former
Landia Site
Lakeland, Florida

URS

Tallahassee

November 2014



Nitrate (mg/L) Monitoring Well

High : 2300

Low : 10

596

Figure

Nitrate Concentrations Basal Zone Groundwater (2011 - 2014)